



Dr. Titkos Tamás

Rektori szervezet / Adatelemzés és Informatika / Matematika
Rektori szervezet / Adatelemzés és Informatika Intézet / Matematika
Tanszék

Leader position: head of department

Year of birth: 1983

Qualifications, scientific degrees

Higher education qualifications

- 2002 - 2009
Eötvös Loránd University, mathematician (egyetemi)

Scientific degrees and awards

- 2016, PhD
Eötvös Loránd University

Career

Workplaces

- 2009 - 2014
Budapest University of Technology and Economics, External lecturer
- 2012 - 2012
Eötvös Loránd University, Assistant lecturer
- 2015 - 2018
Alfréd Rényi Institute of Mathematics, Young research fellow
- 2016 - 2016
University of Szeged, External lecturer
- 2018 - 2023
Alfréd Rényi Institute of Mathematics, Research fellow
- 2015 - 2024
BBS University of Applied Sciences, Assistant professor/College associate professor/Associate professor
- 2024 -
HUN-REN Alfréd Rényi Institute of Mathematics, Research fellow (part time)
- 2024 -
Corvinus University of Budapest, Associate professor

Important study tours, delegacies

- 2019,
University of Reading
- 2021,
Institute of Science and Technology Austria

Colleague CV: Dr. Titkos Tamás

- 2022,
Univerzita Karlova
- 2024,
Universität Bern
- 2025,
Università Bocconi
- 2025,
Instituto Matemáticas de la Universidad de Sevilla

Awards, titles, honors

- 2018, Youth Award of the HAS
Hungarian Academy of Sciences
- 2018, János Bolyai Research Fellowship
Hungarian Academy of Sciences
- 2018, Bolyai+ Higher Education Teachers and Researchers
National Research, Development and Innovation Office
- 2018, PD18 PostDoc Fellowship
National Research, Development and Innovation Office
- 2019, Bolyai+ Higher Education Teachers and Researchers
National Research, Development and Innovation Office
- 2020, Bolyai+ Higher Education Teachers and Researchers
National Research, Development and Innovation Office
- 2021, Alexits Prize
Hungarian Academy of Sciences
- 2022, Bolyai Certificate
Hungarian Academy of Sciences

Language skills

Language	Speaking	Writing	Reading	Media appearance
English	Intermediate	Intermediate	Intermediate	No
German	Intermediate	Intermediate	Intermediate	No

Research, professional activity

Major taught courses or fields of education:

Analysis, Functional analysis, Probability Theory

Field of science and discipline:

mathematics and computer sciences

Current fields of research:

Optimal transport and Wasserstein spaces

Colleague CV: Dr. Titkos Tamás

Previous fields of research:

Lebesgue type decompositions

Major research projects

- 2018 - 2019, Investigation of shorted parts
Form of participation:
Moneylender: NKFIH, Bolyai+ Scholarship for Young Higher Education Teachers and Researchers
Further info about research: ÚNKP-18-4-BGE-3

- 2018 - 2021, Extension- and preserver problems
Form of participation: leader of the research team
Moneylender: National Research, Development and Innovation Office
Further info about research: PD128374
- 2019 - 2020, Embeddings of Wasserstein spaces
Form of participation:
Moneylender: NKFIH, Bolyai+ Scholarship for Young Higher Education Teachers and Researchers
Further info about research: ÚNKP-19-4-BGE-1
- 2020 - 2021, Optimal transport on graphs
Form of participation:
Moneylender: NKFIH, Bolyai+ Scholarship for Young Higher Education Teachers and Researchers
Further info about research: ÚNKP-1-4-BGE-3
- 2020 - 2025, Preservers on structures of operators and measures
Form of participation: member of the research team
Moneylender: National Research, Development and Innovation Office
Further info about research: K134944
- 2021 - 2026, MTA RI "Momentum" Optimal Transport and Quantum Information Geometry
Research Group
Form of participation: member of the research team
Moneylender: Hungarian Academy of Sciences
Further info about research: LP2021-15/2021
- 2021 - 2023, Transport distances on classical and quantum structures
Form of participation: leader of the research team
Moneylender: Eötvös Loránd Research Network
Further info about research: Renyi-ELKH-sa-70-2021
- 2025 - 2026, New Frontiers in Quantum Optimal Transport
Form of participation: member of the research team
Moneylender: National Research, Development and Innovation Office
Further info about research: Excellence - No. 151232

Membership in scientific or professional bodies/organizations

- 2016 - 2026, János Bolyai Mathematical Society, member
, national
- 2017 - , public body of the Hungarian Academy of Sciences, member

Colleague CV: Dr. Titkos Tamás

- , national
- 2017 - , European Mathematical Society, member
, international

Board memberships and positions

- 2019 - , Periodica Mathematica Hungarica, member of the Editorial Board,
[Foreign language](#)
- 2021 - , Érintő, member of the Editorial Board,
[Hungarian language](#)
- 2025 - , Acta Scientiarum Mathematicarum, member of the Editorial Board,
[Foreign language](#)

Publications

- [Isometric Rigidity of the Wasserstein Space \$W_1\(G\)\$ Over Carnot Groups](#)
- [Isometries and isometric embeddings of Wasserstein spaces over the Heisenberg group](#)
- [Optimal Transport on Quantum Structures](#)
- [Isometries of Lipschitz-free Banach spaces](#)
- [Metric property of quantum Wasserstein divergences](#)
- [Operators on anti-dual pairs: Generalized Krein-von Neumann extension](#)
- [Isometric rigidity of Wasserstein spaces: The graph metric case](#)
- [Isometric study of Wasserstein spaces - the real line](#)
- [Arlinskii's Iteration and its Applications](#)
- [A characterisation of isometries with respect to the Lévy-Prokhorov metric](#)
- [A Radon-Nikodym type theorem for forms](#)
- [A Simple Proof of the Lebesgue Decomposition Theorem](#)

Contacts

Location at the university

- Building: Salt House
Room number: S206
Extension:
Main line:
Fax:
Internal fax:

Personal webpage: <https://tamastitkos.github.io/math/>

Other professional profiles

MTMT: <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10029504>

Other professional profile 1: <https://tamastitkos.github.io/math/>